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In re Application of:

Application Number

Filed

08/503606

341-18-1985

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I hereby request access under 37 CFR 1.14(a)(3)(iv) to the application file record of the above-identified ABANDONED application, which is: (CHECK ONE)

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United States Patent [19]
Short

[11] Patent Number: **5,958,672**
 [45] Date of Patent: **Sep. 28, 1999**

[54] PROTEIN ACTIVITY SCREENING OF CLONES HAVING DNA FROM UNCULTIVATED MICROORGANISMS

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[21] Appl. No.: 08/657,409

[22] Filed: Jun. 3, 1996

Related U.S. Application Data

[63] Continuation-in-part of application No. 08/368,904, Dec. 7, 1995, abandoned, which is a continuation-in-part of application No. 08/503,606, Jul. 18, 1995.

[51] Int. Cl. C12Q 1/00; C12N 9/00

[52] U.S. Cl. 435/4; 435/183; 435/69.1;
 536/23.1; 536/23.2

[58] Field of Search 435/4, 183, 69.1

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[57] **ABSTRACT**

Disclosed is a process of screening clones having DNA from an uncultivated microorganism for a specified protein, e.g. enzyme, activity by screening for a specified protein, e.g. enzyme, activity in a library of clones prepared by (i) recovering DNA from a DNA population derived from at least one uncultivated microorganism; and (ii) transforming a host with recovered DNA to produce a library of clones which is screened for the specified protein, e.g. enzyme, activity.

15 Claims, 5 Drawing Sheets

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